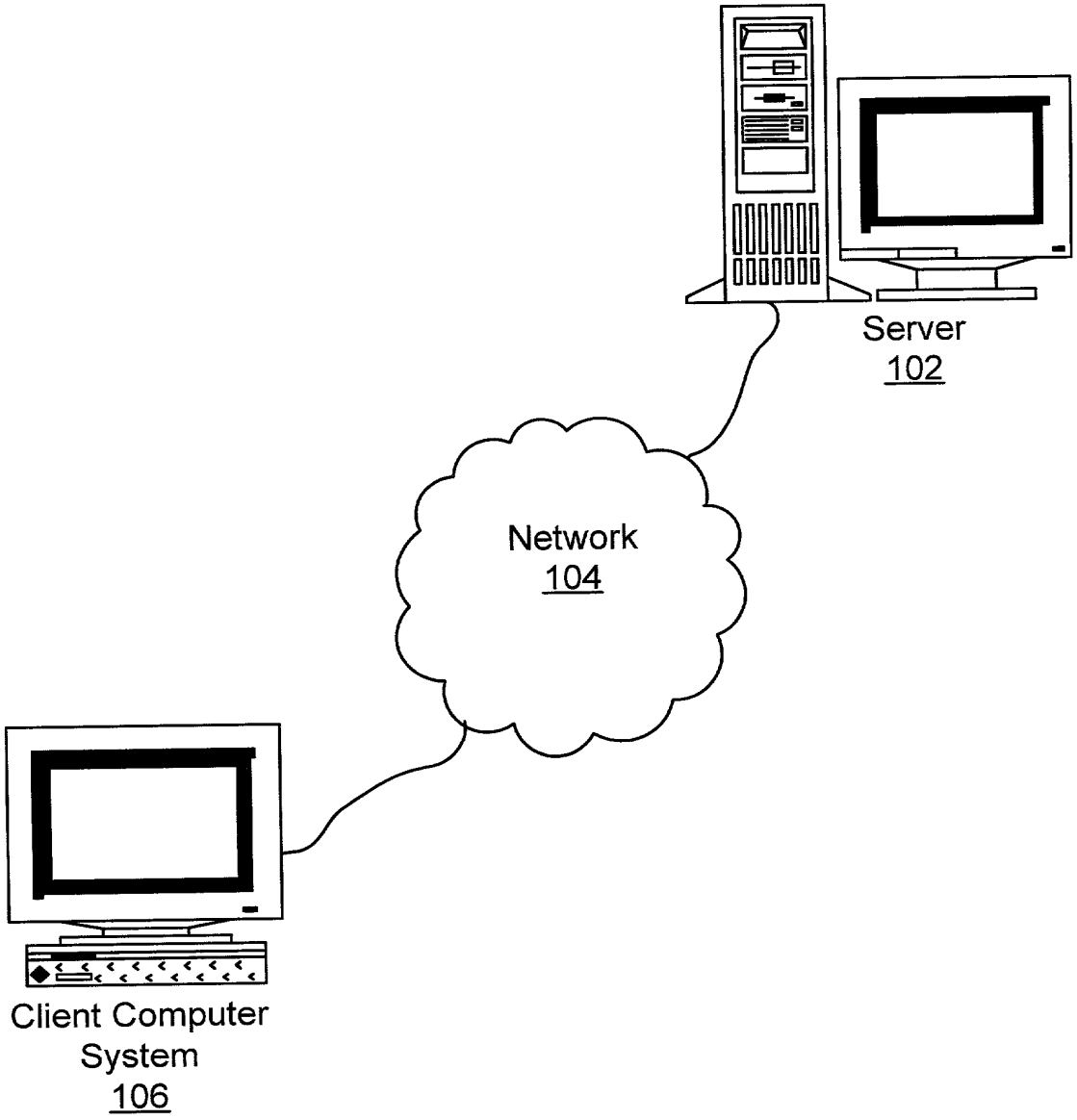


FIG. 1

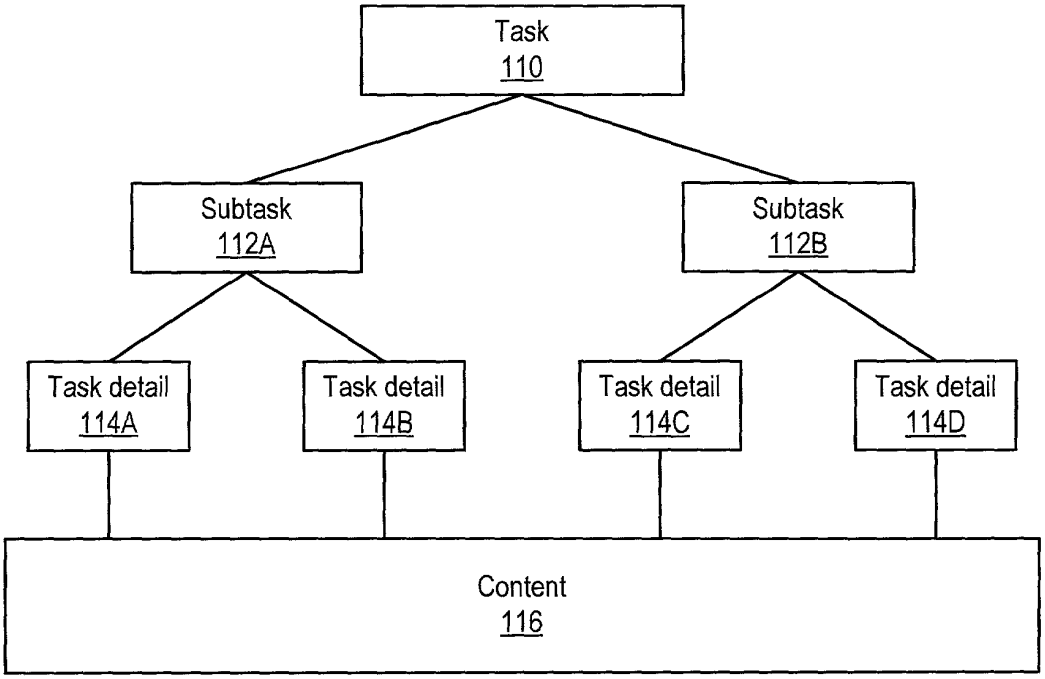

Task
110
Subtask
112A
Subtask
112B
Task detail
114A
Task detail
114B
Task detail
114C
Task detail
114D
Content
116

FIG. 2

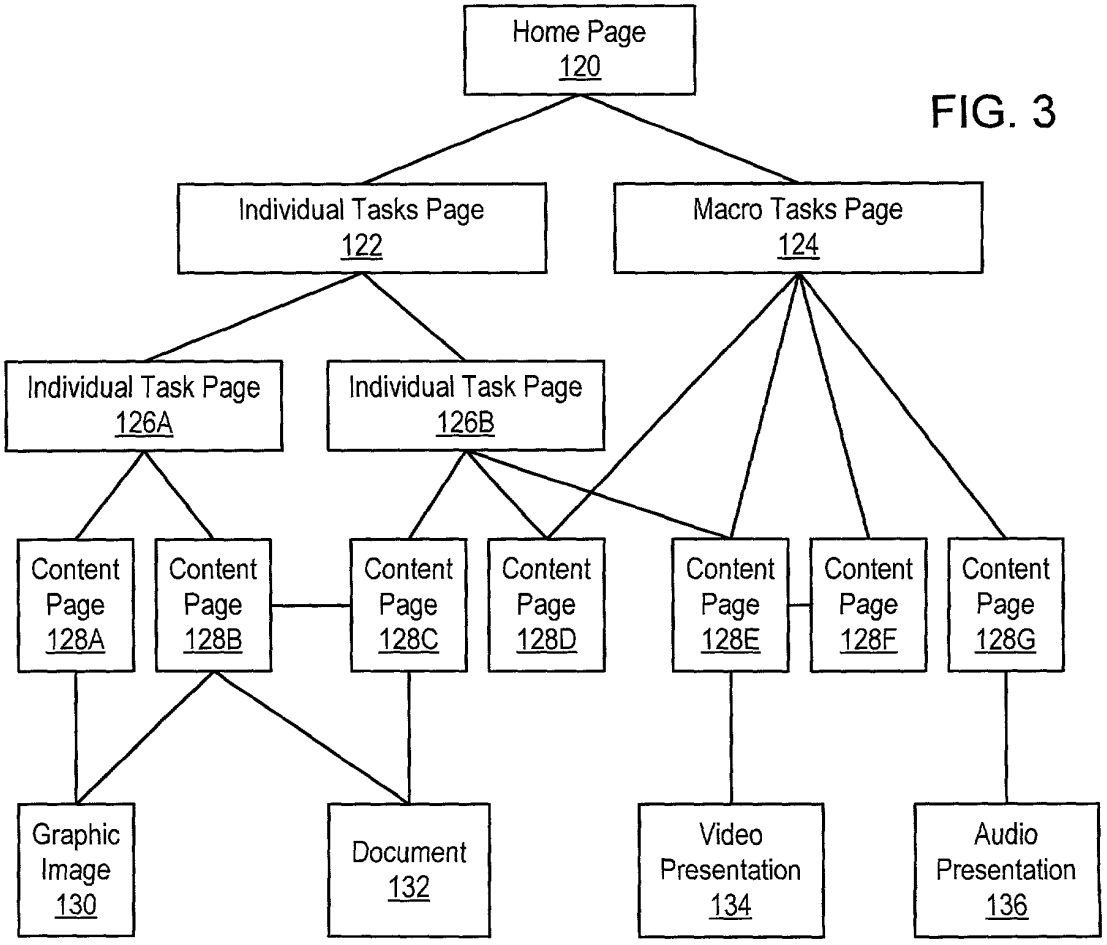

Home Page
120
Individual Tasks Page
122
Macro Tasks Page
124
Individual Task Page
126A
Individual Task Page
126B
Content
Page
128A
Content
Page
128B
Content
Page
128C
Content
Page
128D
Content
Page
128E
Content
Page
128F
Content
Page
128G
Graphic
Image
130
Document
132
Video
Presentation
134
Audio
Presentation
136

FIG. 3

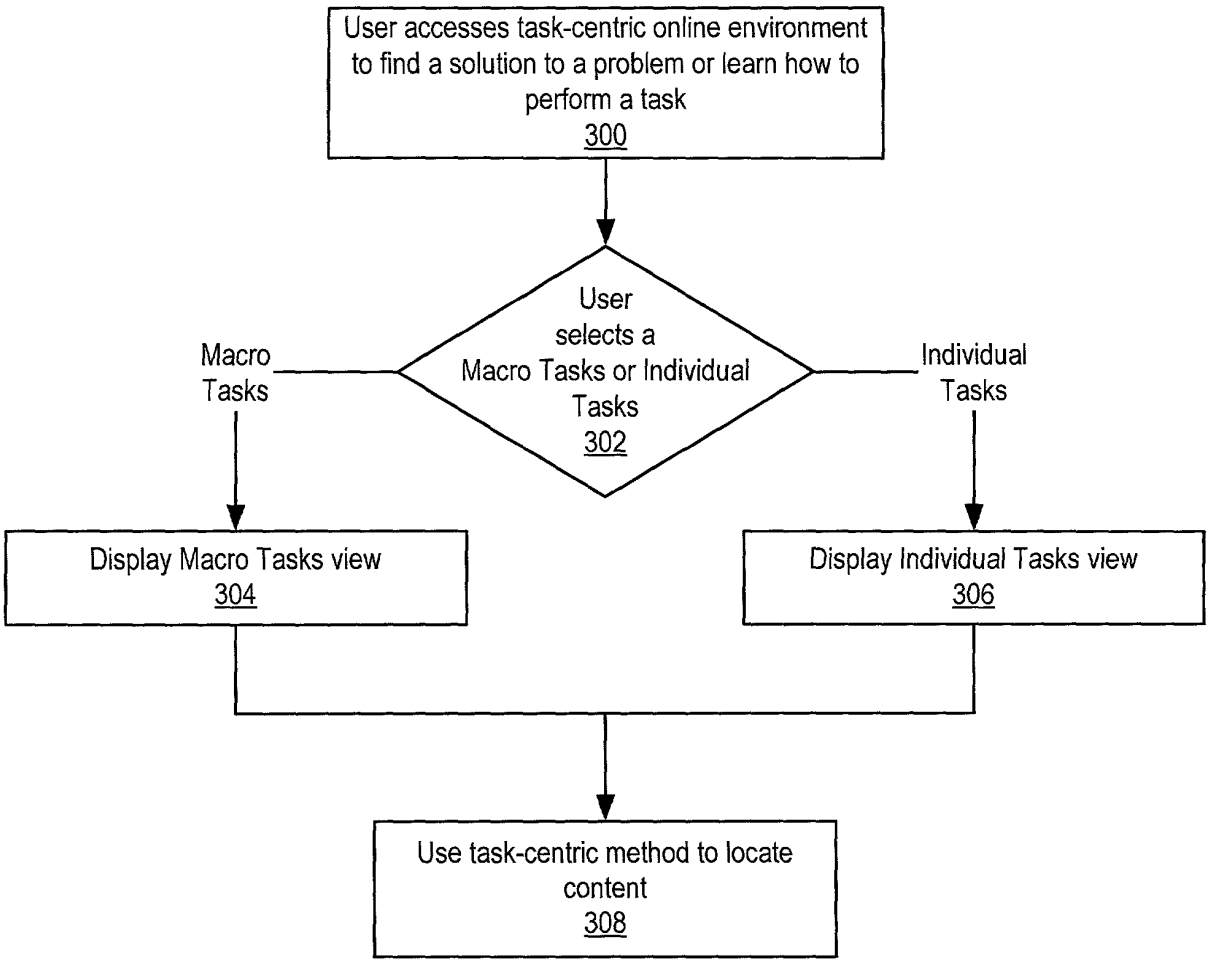


FIG. 4

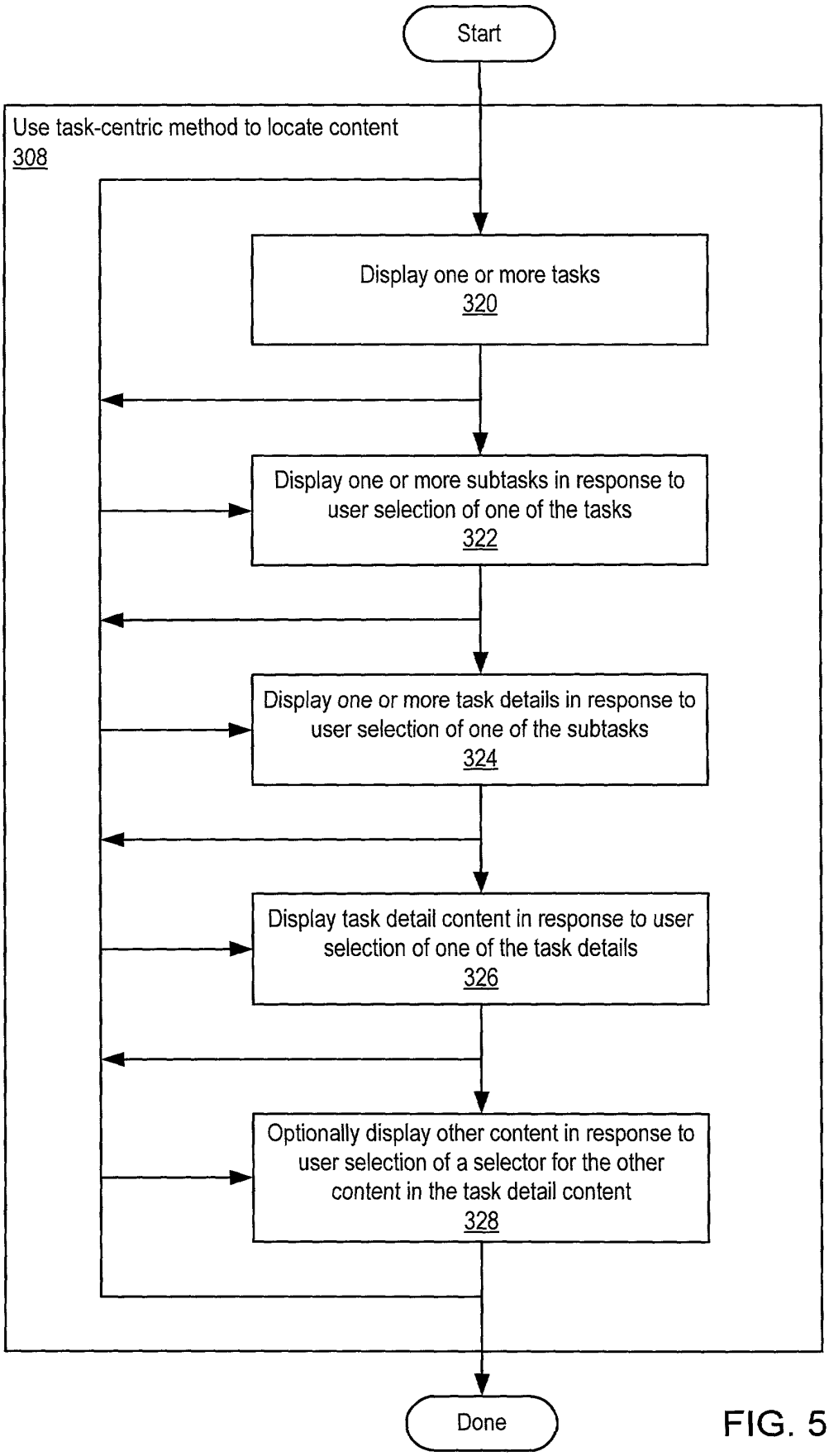

Start
Use task-centric method to locate content
308
Display one or more tasks
320
Display one or more subtasks in response to user selection of one of the tasks
322
Display one or more task details in response to user selection of one of the subtasks
324
Display task detail content in response to user selection of one of the task details
326
Optionally display other content in response to user selection of a selector for the other content in the task detail content
328
Done

FIG. 5

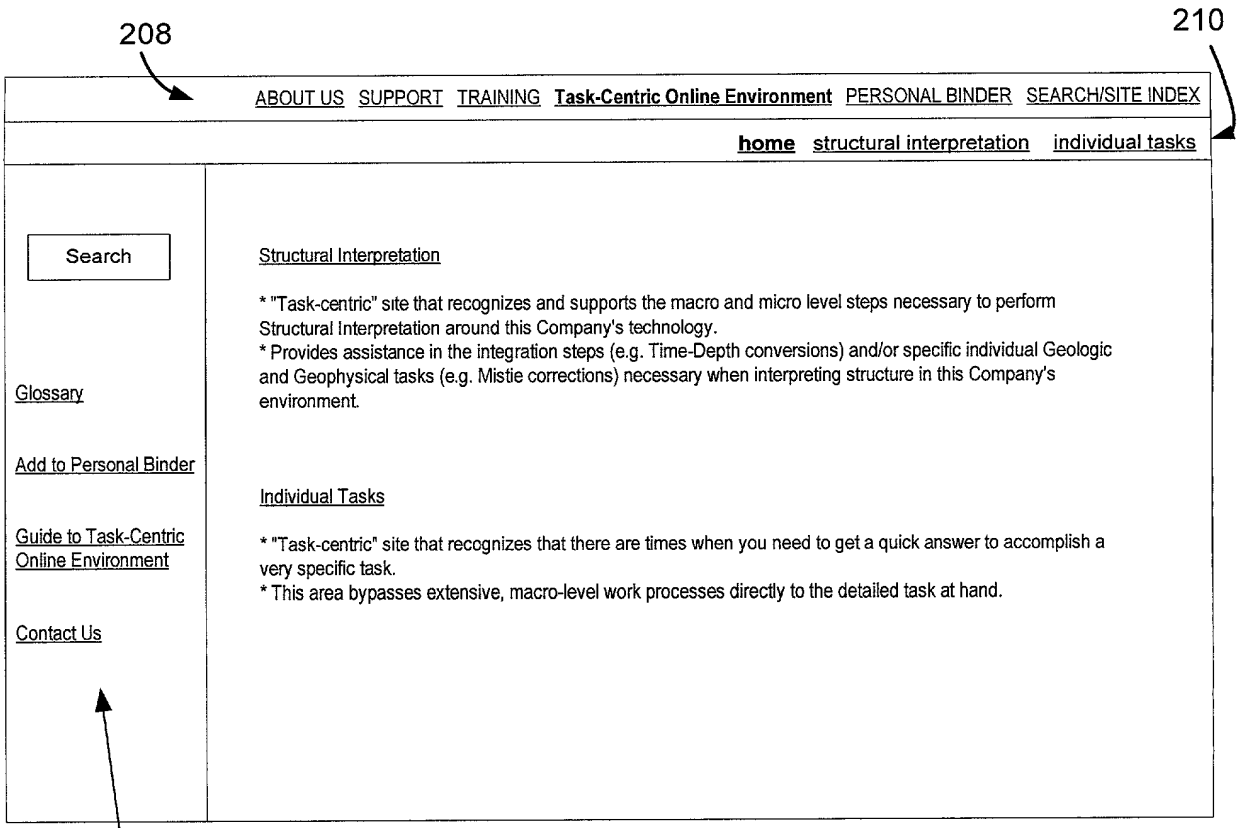

208
210
ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
home structural interpretation individual tasks
Search
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
Structural Interpretation
* "Task-centric" site that recognizes and supports the macro and micro level steps necessary to perform Structural Interpretation around this Company's technology.
* Provides assistance in the integration steps (e.g. Time-Depth conversions) and/or specific individual Geologic and Geophysical tasks (e.g. Mistie corrections) necessary when interpreting structure in this Company's environment.
Individual Tasks
* "Task-centric" site that recognizes that there are times when you need to get a quick answer to accomplish a very specific task.
* This area bypasses extensive, macro-level work processes directly to the detailed task at hand.
212
120

FIG. 6

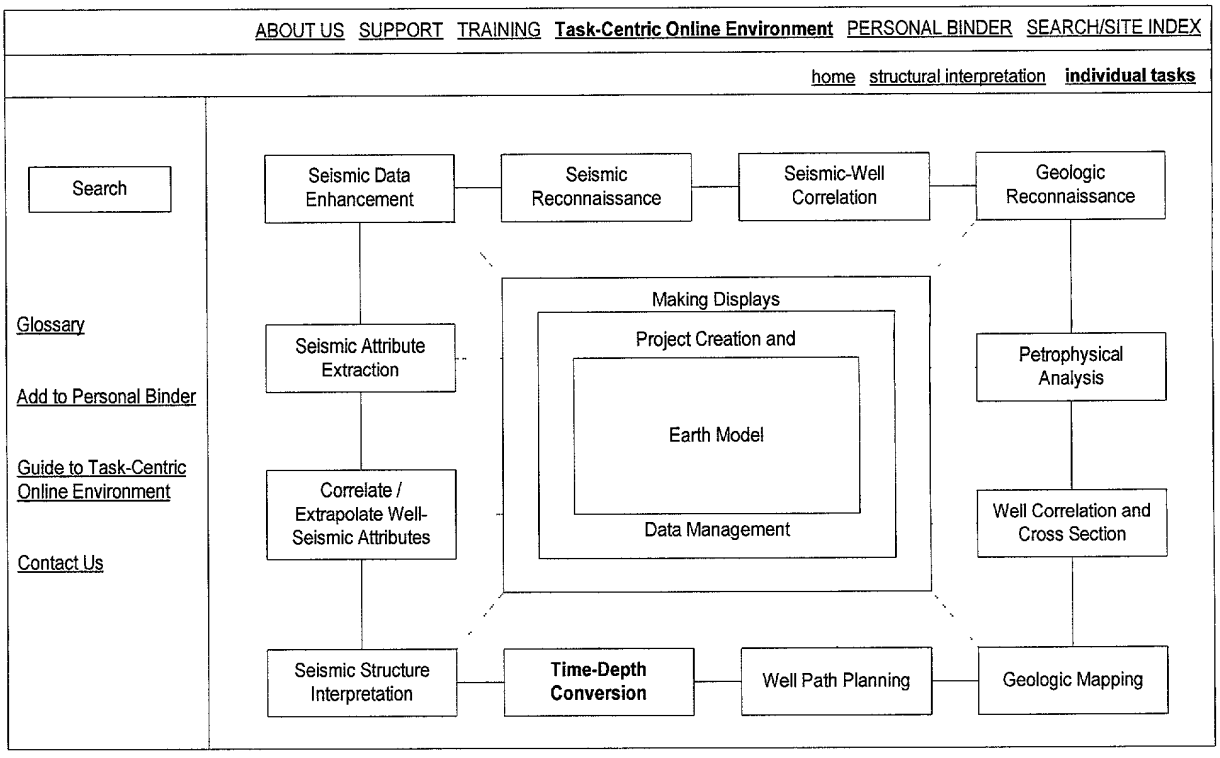

ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
home structural interpretation individual tasks
Search
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
Seismic Data Enhancement
Seismic Reconnaissance
Seismic-Well Correlation
Geologic Reconnaissance
Making Displays
Project Creation and
Earth Model
Data Management
Seismic Attribute Extraction
Correlate / Extrapolate Well-Seismic Attributes
Petrophysical Analysis
Well Correlation and Cross Section
Seismic Structure Interpretation
Time-Depth Conversion
Well Path Planning
Geologic Mapping
122

FIG. 7

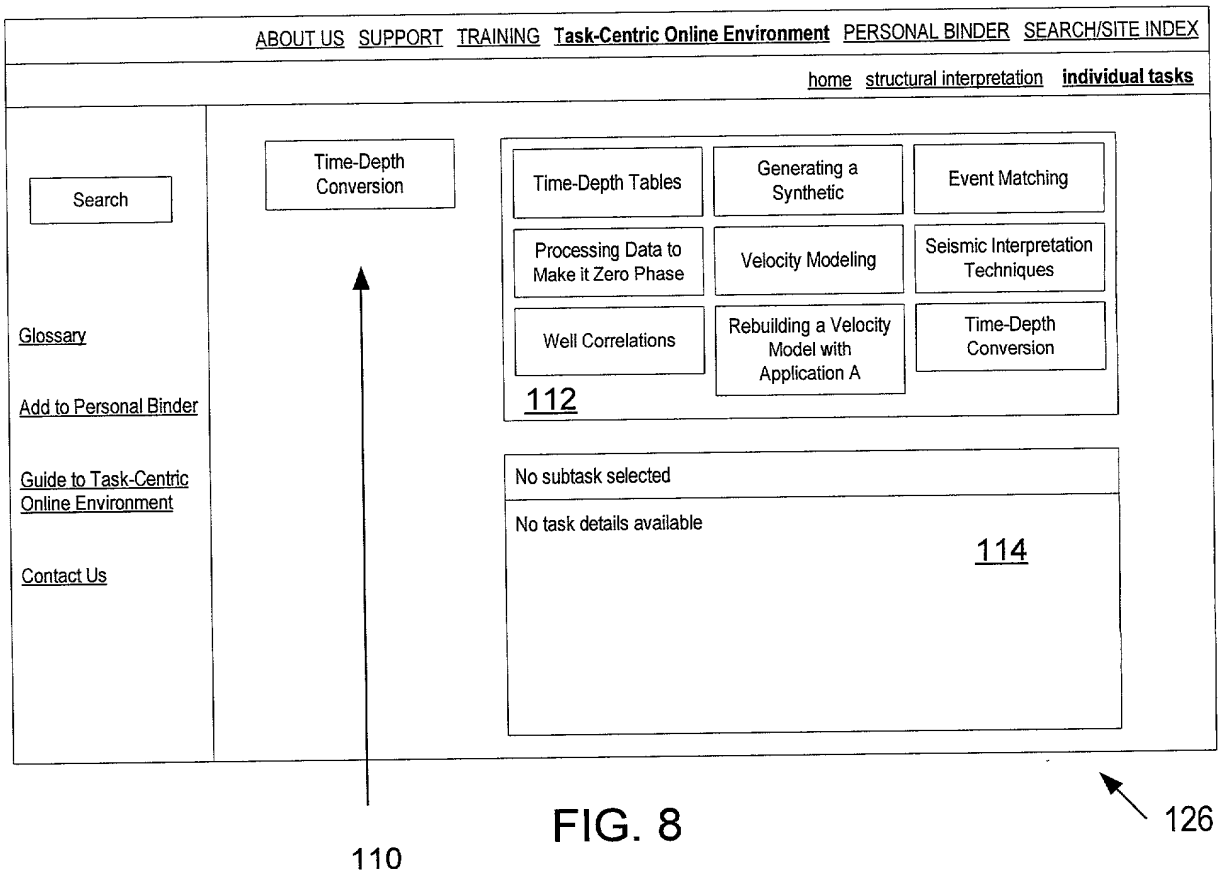

ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
home structural interpretation individual tasks
Search
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
Time-Depth Conversion
Time-Depth Tables
Generating a Synthetic
Event Matching
Processing Data to Make it Zero Phase
Velocity Modeling
Seismic Interpretation Techniques
Well Correlations
Rebuilding a Velocity Model with Application A
Time-Depth Conversion
112
No subtask selected
No task details available
114
110
126

FIG. 8

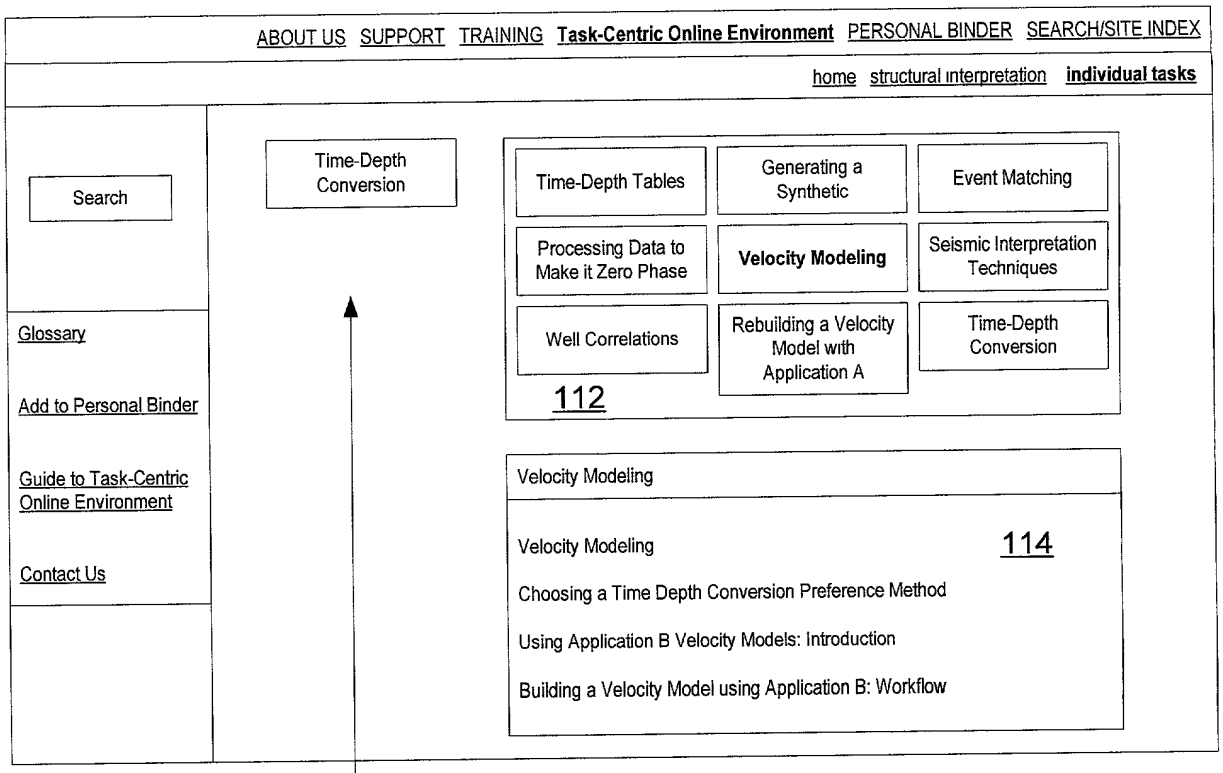

ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
home structural interpretation individual tasks
Search
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
Time-Depth Conversion
Time-Depth Tables
Generating a Synthetic
Event Matching
Processing Data to Make it Zero Phase
Velocity Modeling
Seismic Interpretation Techniques
Well Correlations
Rebuilding a Velocity Model with Application A
Time-Depth Conversion
112
Velocity Modeling
Velocity Modeling
114
Choosing a Time Depth Conversion Preference Method
Using Application B Velocity Models: Introduction
Building a Velocity Model using Application B: Workflow
110
126

FIG. 9

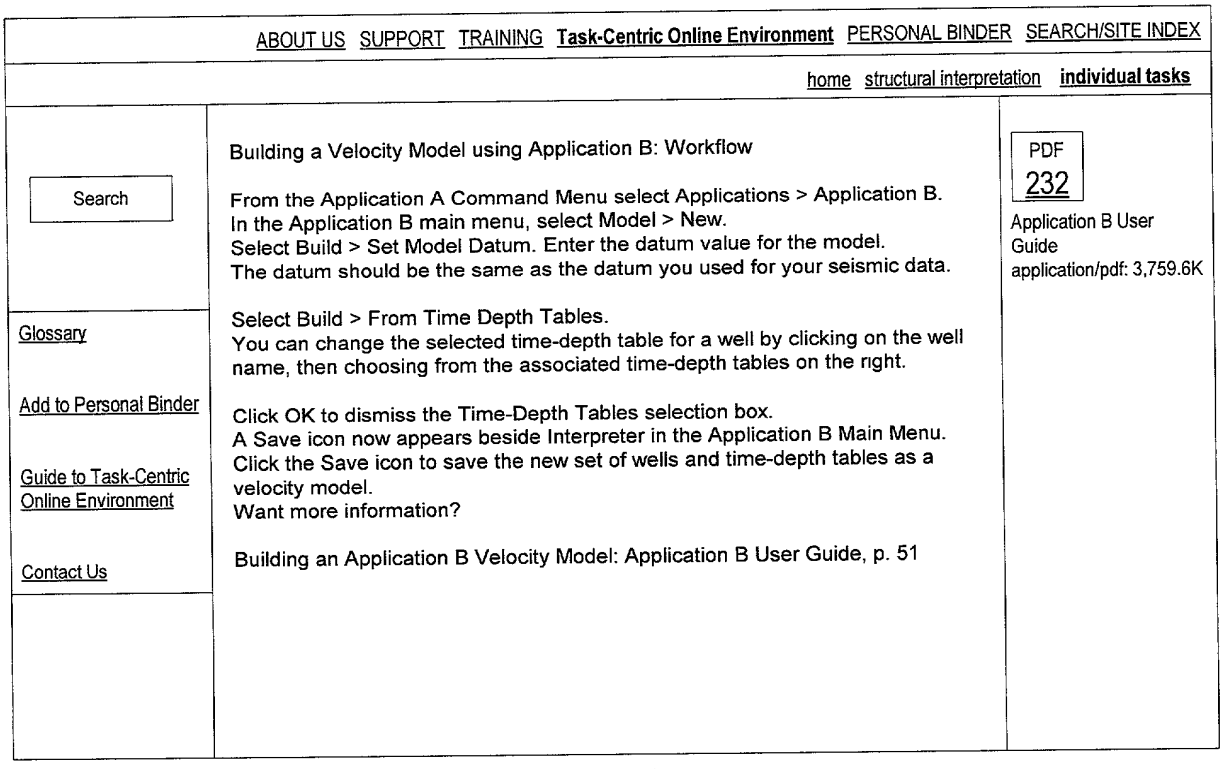

ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
home structural interpretation individual tasks
Search
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
Building a Velocity Model using Application B: Workflow
From the Application A Command Menu select Applications > Application B.
In the Application B main menu, select Model > New.
Select Build > Set Model Datum. Enter the datum value for the model.
The datum should be the same as the datum you used for your seismic data.
Select Build > From Time Depth Tables.
You can change the selected time-depth table for a well by clicking on the well name, then choosing from the associated time-depth tables on the right.
Click OK to dismiss the Time-Depth Tables selection box.
A Save icon now appears beside Interpreter in the Application B Main Menu.
Click the Save icon to save the new set of wells and time-depth tables as a velocity model.
Want more information?
Building an Application B Velocity Model: Application B User Guide, p. 51
PDF
232
Application B User Guide
application/pdf: 3,759.6K
128A

FIG. 10

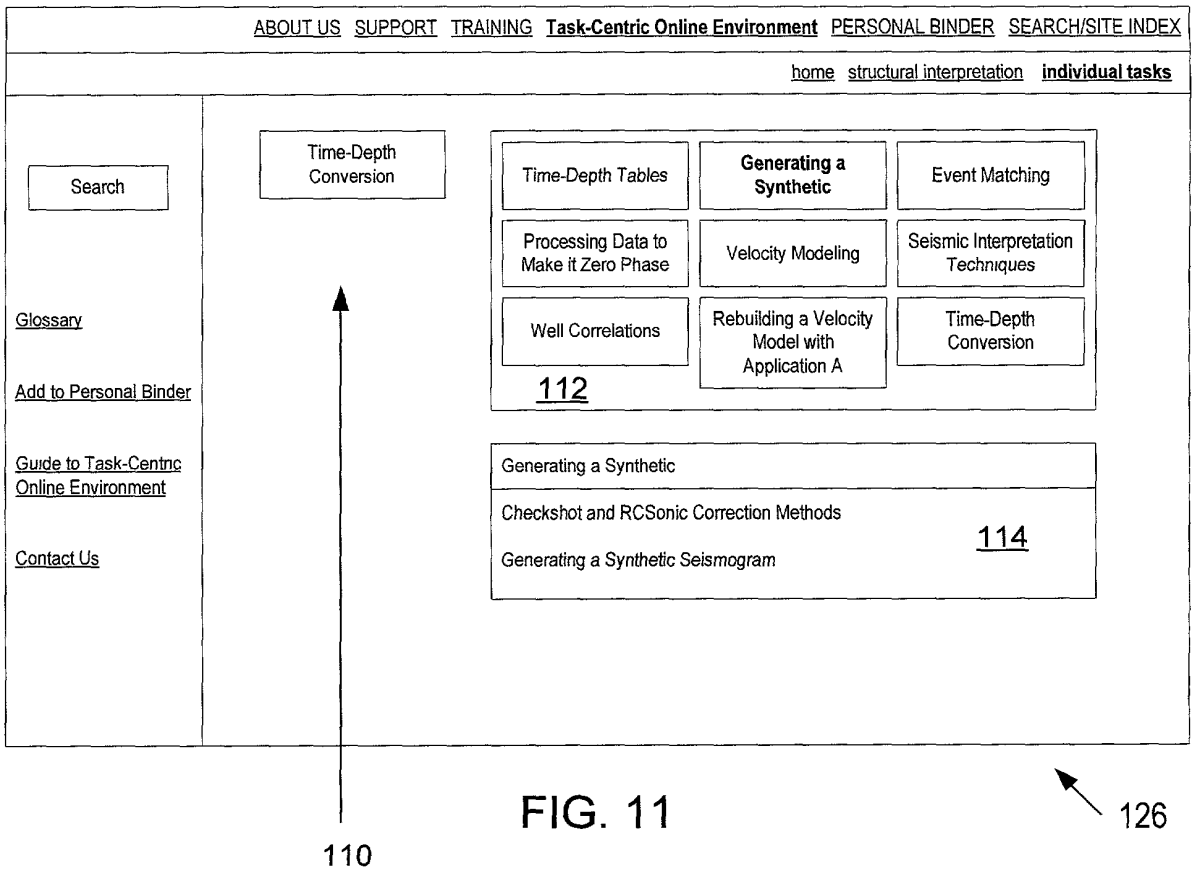
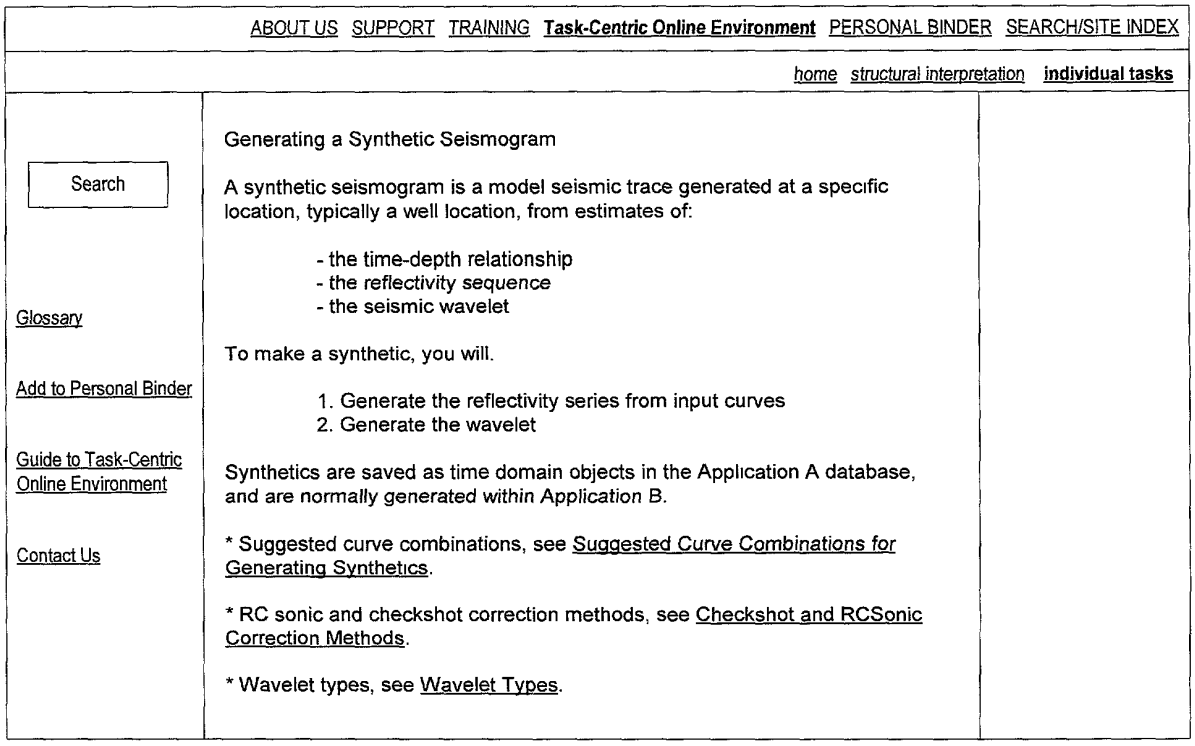

ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
home structural interpretation individual tasks
Search
Time-Depth Conversion
Time-Depth Tables
Generating a Synthetic
Event Matching
Processing Data to Make it Zero Phase
Velocity Modeling
Seismic Interpretation Techniques
Well Correlations
Rebuilding a Velocity Model with Application A
Time-Depth Conversion
112
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
Generating a Synthetic
Checkshot and RCSonic Correction Methods
Generating a Synthetic Seismogram
114
110
126

FIG. 11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home structural interpretation individual tasks
Search
Generating a Synthetic Seismogram
A synthetic seismogram is a model seismic trace generated at a specific location, typically a well location, from estimates of:
- the time-depth relationship
- the reflectivity sequence
- the seismic wavelet
To make a synthetic, you will.
1. Generate the reflectivity series from input curves
2. Generate the wavelet
Synthetics are saved as time domain objects in the Application A database, and are normally generated within Application B.
* Suggested curve combinations, see Suggested Curve Combinations for Generating Synthetics.
* RC sonic and checkshot correction methods, see Checkshot and RCSonic Correction Methods.
* Wavelet types, see Wavelet Types.
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
128B

FIG. 12

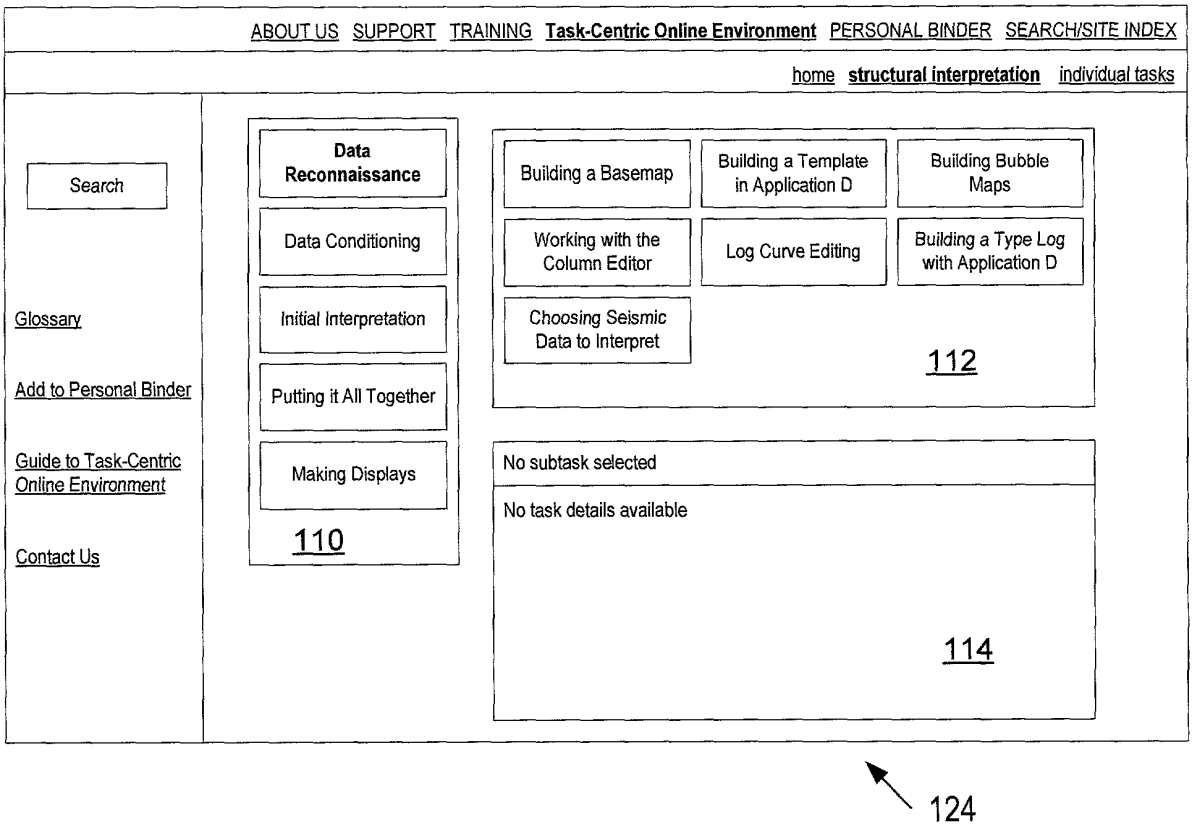
ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
home structural interpretation individual tasks
Search
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
Data Reconnaissance
Data Conditioning
Initial Interpretation
Putting it All Together
Making Displays
110
Building a Basemap
Building a Template in Application D
Building Bubble Maps
Working with the Column Editor
Log Curve Editing
Building a Type Log with Application D
Choosing Seismic Data to Interpret
112
No subtask selected
No task details available
114
124

FIG. 13

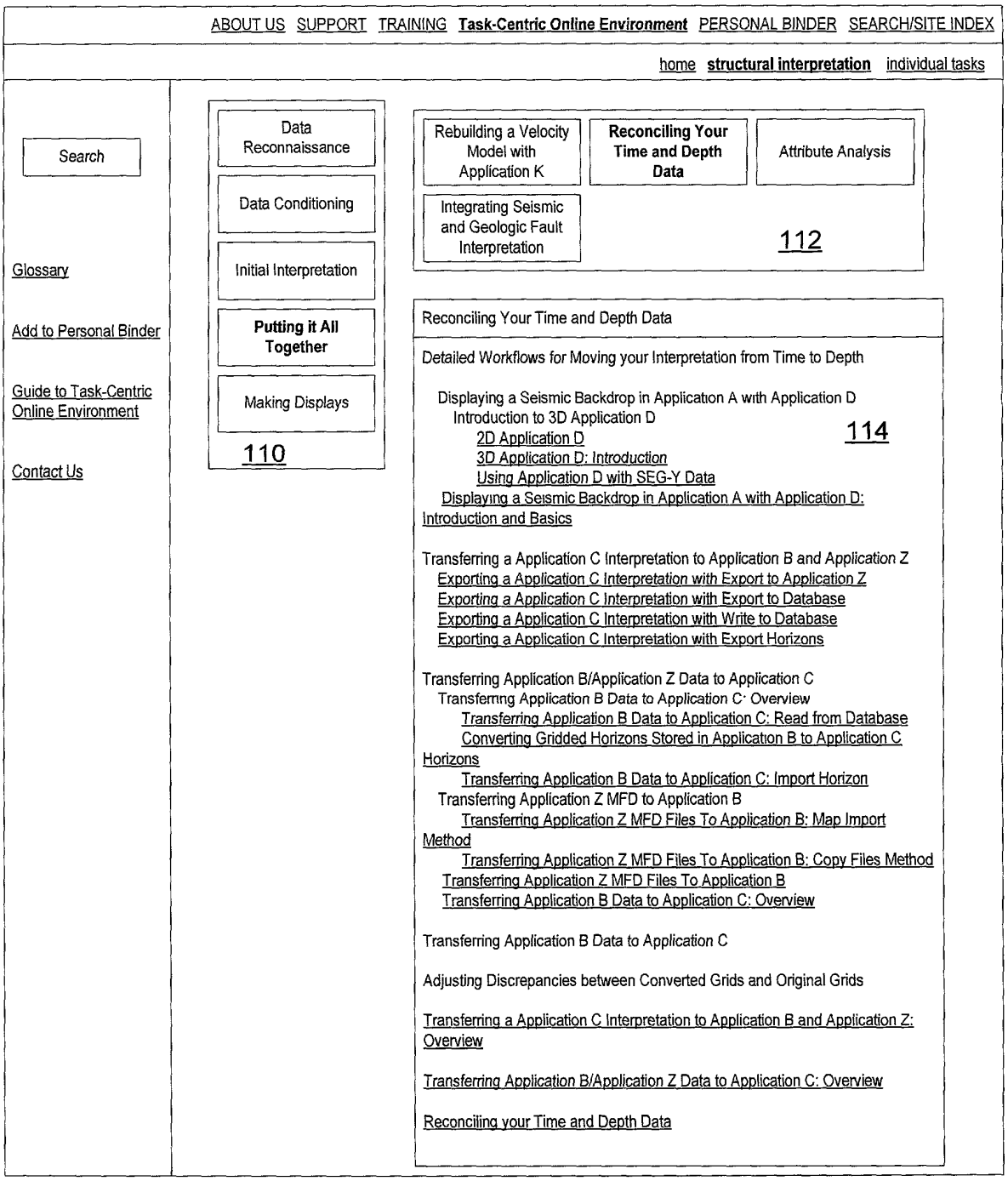
ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
home structural interpretation individual tasks
Search
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
Data Reconnaissance
Data Conditioning
Initial Interpretation
Putting it All Together
Making Displays
110
Rebuilding a Velocity Model with Application K
Reconciling Your Time and Depth Data
Attribute Analysis
Integrating Seismic and Geologic Fault Interpretation
112
Reconciling Your Time and Depth Data
Detailed Workflows for Moving your Interpretation from Time to Depth
Displaying a Seismic Backdrop in Application A with Application D
Introduction to 3D Application D
2D Application D
3D Application D: Introduction
Using Application D with SEG-Y Data
114
Displaying a Seismic Backdrop in Application A with Application D: Introduction and Basics
Transferring a Application C Interpretation to Application B and Application Z
Exporting a Application C Interpretation with Export to Application Z
Exporting a Application C Interpretation with Export to Database
Exporting a Application C Interpretation with Write to Database
Exporting a Application C Interpretation with Export Horizons
Transferring Application B/Application Z Data to Application C
Transferring Application B Data to Application C: Overview
Transferring Application B Data to Application C: Read from Database
Converting Gridded Horizons Stored in Application B to Application C Horizons
Transferring Application B Data to Application C: Import Horizon
Transferring Application Z MFD to Application B
Transferring Application Z MFD Files To Application B: Map Import Method
Transferring Application Z MFD Files To Application B: Copy Files Method
Transferring Application Z MFD Files To Application B
Transferring Application B Data to Application C: Overview
Transferring Application B Data to Application C
Adjusting Discrepancies between Converted Grids and Original Grids
Transferring a Application C Interpretation to Application B and Application Z: Overview
Transferring Application B/Application Z Data to Application C: Overview
Reconciling your Time and Depth Data
124

FIG. 14

Search

Glossary

Add to Personal Binder

Guide to Task-Centric Online Environment

Contact Us

Using Application D with SEG-Y Data

Seismic trace data along an Application G Line of Section (LOS) can be displayed as a Seismic Backdrop in the corresponding Cross Section. See Displaying a Seismic Backdrop in Application G with Application D, Introduction and Basics. The trace data along the Line of Section are imported using the Application D and then depth converted for display as a backdrop if not already in the depth domain. SEG-Y formatted data is one of 4 seismic formats which may be imported

Workflow to convert SEG-Y data·

From the Application G Command Menu, select Utilities > Application D
In the Application D main window select File > Import SEG-Y.
Set the Line of Section, Display Type, Display Color and Variable Density Maximum Separation. Details in Application G Mapping and Cross Sections, p. 134.
Select the File Name and File Type of the SEG-Y file containing the trace data to be imported.
If you are unfamiliar with the contents of the selected file, the SEG-Y trace headers can be dumped to a file and reviewed using a text editor.
Click on the Dump Trace Headers Select button.
Click on the Output File for Trace Headers button. Specify a directory and filename to dump the information to.
Use the 'Number of Trace Headers to Dump' entry field to specify the desired number traces to output header information for
Toggle Override SEG-Y Header Parameters on or off. For details see Application G Mapping and Cross Sections, p. 142.
If the SEG-Y data contain inline or crossline information there may be multiple lines in the file. Use the Select Line Number option to select which line to use.
Set the X, Y Header Position to identify where the x,y values for the trace header exist in the file.
Note: If the SEG-Y header file does not contain valid x,y header information the LOS must be built in Map View to match the data. Use the None (Use LOS) or the None (Use Reverse LOS) X, Y Header Position option to place the traces

Want more information?

Application G Mapping and Cross Sections, p. 141
Application G Mapping and Cross Sections, p. 131

PDF 232

Application G - Mapping and Cross Sections application/pdf. 5,982K

FIG. 15

128C

Search

Glossary

Add to Personal Binder

Guide to Task-Centric Online Environment

Contact Us

Displaying a Seismic Backdrop in Application G with Application D· Introduction and Basics

You can display seismic trace data as a backdrop in Application G Cross Section.

First, use the Application D to extract the seismic trace data along a line of section.

Application D reads trace data from multiple seismic formats.
Application D will extract and apply a depth conversion to time data or simply extract trace data already in depth.
You can preview the extracted/converted traces in the Application D window before displaying the results in Cross Section.
You can display the following seismic data types as backdrops:

Application G 2D or 3D projects including bricked and compressed data formats
SEG-Y disk files
Time or Depth data in ASCII format
Before you begin to convert seismic trace data, you need:

A line of section (LOS)
Create an LOS in Application G MapView or within Application D. Or, you can convert a point file into an LOS in SeisWorks3D by selecting Seismic View > Point Files > Point File to LOS.

A data source
This can be a Application G 2D or 3D project or SEG-Y file with an areal extent that overlaps your Application G project. Or, an ASCII time or depth file for data that falls within your Application G project.

If using a Application G 2D or 3D project, a file that contains trace data in the proper format. (.2v2 for a 2D project or .3dv including bricked and compressed formats for a 3D project).
If using SEG-Y, a disk file in SEG-Y format.
If using time data, a velocity model in TDQ.
Want more information see:

Application G Mapping and Cross Sections, p. 156

GIF 230

IN2.3_A.gif
(Click to enlarge)

PDF 232

Application G - Mapping and Cross Sections
application/pdf: 5,982K

FIG. 16

128D

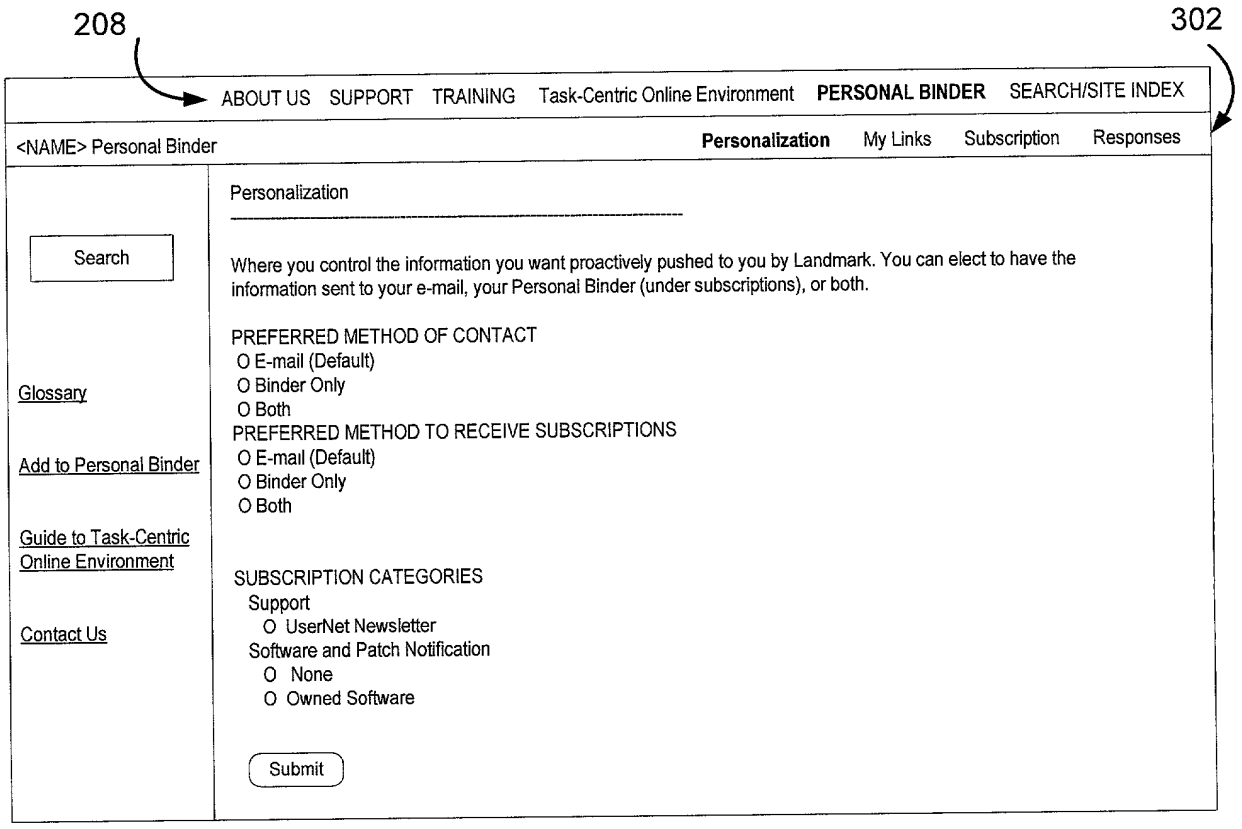
208
302
ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
<NAME> Personal Binder
Personalization My Links Subscription Responses
Search
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
Personalization
Where you control the information you want proactively pushed to you by Landmark. You can elect to have the information sent to your e-mail, your Personal Binder (under subscriptions), or both.
PREFERRED METHOD OF CONTACT
O E-mail (Default)
O Binder Only
O Both
PREFERRED METHOD TO RECEIVE SUBSCRIPTIONS
O E-mail (Default)
O Binder Only
O Both
SUBSCRIPTION CATEGORIES
Support
O UserNet Newsletter
Software and Patch Notification
O None
O Owned Software
Submit

FIG. 17

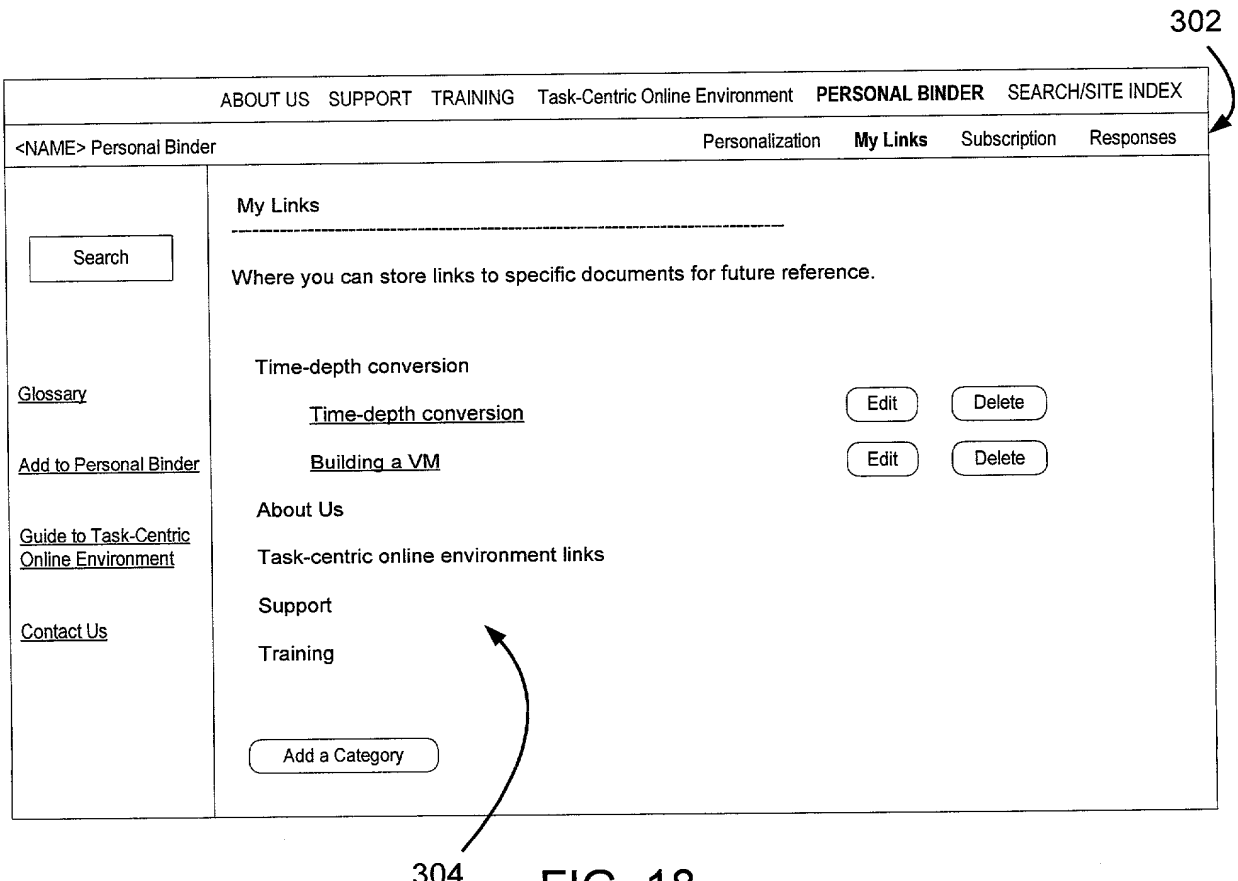
302
ABOUT US SUPPORT TRAINING Task-Centric Online Environment PERSONAL BINDER SEARCH/SITE INDEX
<NAME> Personal Binder
Personalization My Links Subscription Responses
Search
Glossary
Add to Personal Binder
Guide to Task-Centric Online Environment
Contact Us
My Links
Where you can store links to specific documents for future reference.
Time-depth conversion
Time-depth conversion
Edit
Delete
Building a VM
Edit
Delete
About Us
Task-centric online environment links
Support
Training
Add a Category
304

FIG. 18